

For Research Use Only

# ERK1/2 Monoclonal antibody, PBS Only

Catalog Number:60929-1-PBS



## Basic Information

Catalog Number:

60929-1-PBS

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC017832

GeneID (NCBI):

5594

UNIPROT ID:

P28482

Full Name:

mitogen-activated protein kinase 1

Calculated MW:

360 aa, 41 kDa

Observed MW:

38-44 kDa

Purification Method:

Protein A purification

CloneNo.:

1A4H10

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

ERK1 and ERK2 belong to the protein kinase superfamily. It is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. ERK1/2 catalyzed the reaction: ATP + a protein = ADP + a phosphoprotein. It is activated by tyrosine phosphorylation in response to INS and NGF. This antibody can recognize both ERK1 and ERK2 with a molecular mass of 38-44 kDa.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

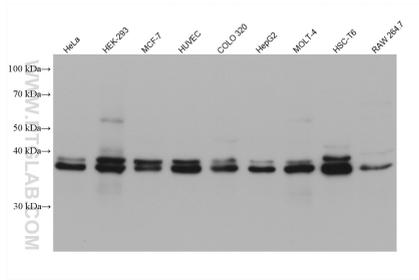
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60929-1-Ig (ERK1/2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60929-1-PBS in a different storage buffer formulation.